Rail Maintenance Facilities
Gannett Fleming has significant direct experience in leading the planning, design, and construction management of a wide variety of rail maintenance facilities. Since 1973, our experience has included the design of more than 100 facility projects, with a wide range of sizes, site configurations, and functional requirements. Projects have included light, heavy, and commuter railroad facilities, as well as passenger railroad yard and shop facilities.

Our planning and environmental documentation expertise assists in bringing rail maintenance facility projects to a Record of Decision (ROD).

Our approach to rail maintenance facility projects is based on combining sound planning and engineering with effective decision-making processes involving the client and regulatory agencies. We offer services that go beyond just designing facilities. We see the whole picture by providing services such as rail facility needs analysis, site assessment and evaluation, financing solutions, alternative project delivery options, new facility designs and/or renovations, program management (project controls), sustainable design/LEED® certification, and ongoing facility maintenance management.

Metropolitan Atlanta Rapid Transit Authority
Experience includes:

- Master planning (including site selection and operational analysis)
- Programming
- Environmental Impact Statements (EIS)
- Facility architectural design
- LEED project design
- Industrial engineering/equipment selection
- Civil/site track design
- Systems engineering for signals, communication, and traction power
- Water and wastewater engineering
- Geotechnical investigation and engineering
- Structural system design
- Mechanical and electrical engineering
- Fueling storage and distribution systems
- Cost estimating
- Project management (cost/schedule control)
- Program management oversight
- Construction inspection, administration, and management
- Project close out and documentation
- Commissioning.

Metro-North Railroad Croton Harmon Awards

- American Society of Civil Engineers Lower Hudson Valley Branch’s Small Project of the Year Award
- American Society of Civil Engineers Metropolitan Section’s Design-Build Project of the Year Award
- Project of the Year by the Design-Build Institute of America, New York Tri-State Metro Region
Muni Metro East LRT Maintenance and Operations Facility

Our firm’s experience includes facilities for third rail, catenary, and direct-current (DC) or alternating-current (AC) electrified systems, as well as self-propelled and diesel-hauled systems. For nearly 50 years the firm has planned and designed service and inspection shops; medium repair, major repair, and overhaul facilities; component shops; train wash facilities; fueling facilities; wheel truing facilities, layup yards with standby power; and specialized car maintenance equipment.

Putting our Clients First

Our primary focus on each and every project is client satisfaction. We meet the needs of our clients through innovation and creativity based in sound engineering practices. Our firm’s staff of professionals first establishes an understanding of client goals and objectives and then builds a strategy to achieve them.

Muni Metro Project Awards

- Honor Award in the American Council of Engineering Companies of California Engineering Excellence Awards
- Project of the Year Award in the American Public Works Association’s (APWA) Transportation Category
- National Recognition Award in the American Council of Engineering Companies’ Engineering Excellence Awards
Alternative Delivery Methods

Gannett Fleming has been involved with innovative contracting for more than 25 years. Along the way, we have gained tremendous experience in contractor teaming and construction-driven design.

Our professionals are experienced in and excel at developing efficient solutions in a variety of delivery methods, including design-bid-build, various types of design-build, and construction manager at risk (CM@Risk). Our project teams understand the level of commitment necessary to be successful, thrive under accelerated schedules, and can manage change efficiently and effectively.

Our approach to successful projects includes:

- Listening and understanding client requirements and concerns
- Providing public involvement activities
- Preparing planning and environmental studies to reach a ROD
- Assembling a team of highly qualified professionals to meet requirements
- Providing strong project management that provides leadership of the team
- Keeping the client informed of our progress and coordinating all other involved parties
- Working within client budgetary and cost constraints
- Providing an uncompromising commitment to quality control through ISO 9001:2015 certification.

Understanding the client’s needs is critical in producing the most cost-effective, quality product. We pride ourselves on our flexibility to work with a wide range of clients on many types of diverse engineering projects. With 100 years of experience, Gannett Fleming can help identify and develop innovative solutions to address your project needs.
LIRR’s Babylon Train Wash Facility achieved a Platinum Award in the American Council of Engineering Companies of New York Engineering Excellence Awards.

More than Engineering

We are not a typical planning and engineering firm. We know when to listen. When to offer advice. More importantly, we are passionate about the consistent quality of work we provide and strive to take on new challenges. Each project has the support of an entire team that together with you, will find the right solution to whatever challenge you face.

Our Vision is to be a driving force in improving our communities and sustaining our world through an uncompromising commitment to growth, innovation, ethics, and technical excellence. With a focus on our Vision and Mission, our talented employees bring to your door a firm that is committed to make you successful.
Representative Rail Maintenance Facility Transit Railroad Clients

- Amtrak
- Atchison, Topeka and Santa Fe Railway Company
- Bay Area Rapid Transit
- Burlington Northern and Santa Fe Railroad
- Chicago Transit Authority
- Dallas Area Rapid Transit
- Denver Regional Transportation District
- Detroit Transportation Corporation
- Federal Railway Administration
- Fort Worth
- Los Angeles County Metropolitan Authority
- Maryland Mass Transit Administration
- Maryland Rail Commuter
- Massachusetts Bay Transportation Authority
- Metrolinx
- Metropolitan Atlanta Rapid Transit Authority
- Metropolitan Transportation Authority (MTA) The Long Island Rail Road
- Metropolitan Transportation Development Board
- MTA Metro-North Railroad
- MTA New York City Transit Authority
- National Park Service
- New Jersey Transit
- Niagara Frontier Transportation Authority
- Norfolk Southern Railroad
- Port Authority of New York and New Jersey
- Port Authority Transit Corporation
- Sacramento Rapid Transit District
- San Francisco Municipal Railway
- Southern California Rapid Transit District
- Southeastern Pennsylvania Transportation Authority
- Sumirail
- Toronto Transit Commission
- Union Pacific Railroad
- Valley Metro Regional Public Transportation Authority
- Washington Metropolitan Area Transit Authority

Boston Commuter Rail Facility
Gannett Fleming is a global infrastructure firm that provides planning, design, technology, and construction services for a diverse range of markets and disciplines. With 2,400 highly qualified individuals across a global network of 60 offices, we are united in our passion to deliver excellence. We have played a part in shaping infrastructure and improving communities in more than 65 countries, specializing in transportation, earth science, water, power, geospatial, and facility-related projects.

Founded in 1915, we embrace sustainability and innovation in our projects and internal activities, achieving results while being responsible stewards of our environment. Our culture of service, ingenuity, and responsiveness empowers us to fulfill our key mission: make our clients successful.

Gannett Fleming is consistently ranked in the top 10 percent on *Engineering News Record’s* Top 500 Design Firms list.